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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/729,002

12/04/2003

Katsumi Suitsu

9281-4724

9131

7590

09/20/2005

Brinks Hofer Gilson & Lione
P.O. Box 10395
Chicago, IL 60610

EXAMINER

GOINS, DAVETTA WOODS

ART UNIT

PAPER NUMBER

2632

DATE MAILED: 09/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/729,002

Applicant(s)

SUITSU, KATSUMI

Examiner

Davetta W. Goins

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-4 is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>12/03;5/05</u> . | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Objections

1. This application is in condition for allowance except for the following formal matters:

In claim 1, line 10, the first word “a” should be changed to –said–.

In line 10, after the words “keyless entry”, the word –device– should be inserted.

In line 12, after the word “device,” the word “a” should be replaced with –said–.

In line 15, after the phrase “a controller”, the phrase “within said car mounting device” should be entered.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable Subject Matter

1. The following is a statement of reasons for the indication of allowable subject matter:

Nantz et al. (US Pat. 6,647,773 B2) discloses a transmitting device including a display 42 for indication to the user the sensed tire pressure that has been determined by each of the monitors 16 mounted in the tires (col. 5, lines 28-50). The transmitting receiving device 34 is capable of transmitting a passive entry signal 38 for controlling the locks of the doors of the vehicle as well as requesting tire pressure signals from each tire (col. 6, lines 5-61). Desai et al. (US Pat. 6,885,282 B2) includes a vehicle system with a sensor circuit 46 mounted with the vehicle, the sensor circuit 46 also includes a low frequency receiver 42. The low frequency receiver 42

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receives signals generated to initiate the transmission of an identity code 68 (FIG. 8) from the sensor assembly 14 in order to initialize and localize the sensor assembly 14 (col. 4, lines 45-62). However, Nantz et al., Desai et al. nor any other prior art of record disclose in their entirety or in combination the claimed passive keyless entry device for monitoring a tire pneumatic pressure by bidirectional communication, a keyless entry portable device and a transmitter-receiver for monitoring the tire pneumatic pressure, wherein the car mounting device comprises a low frequency signal transmitting section for transmitting a request signal of a low frequency to the keyless entry portable device and said transmitter-receiver for monitoring the tire pneumatic pressure, a receiving section for a keyless entry for receiving an answer signal of a high frequency responsive to said request signal from the keyless entry portable device, a receiving section for monitoring the tire pneumatic pressure for receiving the answer signal of the high frequency responsive to the request signal from the transmitter-receiver for monitoring the tire pneumatic pressure, and a controller for forming the request signal and controlling the operation of a door lock mechanism in response to the answer signal and obtaining tire pneumatic pressure information.

3. The prior art of record and not relied upon is considered pertinent to the applicant's disclosure as follows. Porter et al. (US Pat. 6,745,624 B2), Lin (US P6,774,779 B2) and O'Connor et al. (US Pat. 6,885,283 B2), which are references that deal with tire monitoring systems.

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Davetta W. Goins whose telephone number is 571-272-2957.

The examiner can normally be reached on Mon-Fri with every other Fri. off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Wu can be reached on 571-272-2964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



D.W.G.

September 16, 2005

Davetta W. Goins
Primary Examiner
Art Unit 2632